•	claim
1	(Currently Amended) A liquid crystal display device, comprising:
2	a first substrate;
3	a second substrate facing said first substrate;
4	a liquid crystal layer interposed between said first and second substrates; and
5	a group of electrodes disposed on said first substrate so as to create an electric
6	field in said liquid crystal layer generally parallel to said first substrate in an activated state in
7	which a drive voltage is applied to said group of electrodes,
8	said liquid crystal molecules aligning generally perpendicularly to a plane of
9	said first substrate in a nonactivated state in which said drive voltage is not applied to said
10	group of electrodes, said liquid crystal molecules aligning generally parallel to said plane of
11	said first substrate in said activated state,
12	said liquid crystal molecules having a pre-tilt angle of less than 90° in at least
13	one of a part of said liquid crystal layer corresponding to a pixel and said electrodes on said
14	first substrate,
15	wherein said electrodes include a first electrode of a an opaque metal provided
16	on a surface of said first substrate facing said second substrate and a second electrode of a an
17	opaque metal provided on said surface with a separation from said first electrode, the
18	separation creating a space which is part of the pixel, said first and second electrodes being
19	provided outside a display area in which transmission of an optical beam is turned on and off,

and

wherein said liquid crystal display device further includes a first projection provided on said first electrode and a second projection provided on said second electrode, said first and second projections inducing said pre-tilt angle in said liquid crystal molecules located adjacent to said first and second projections.

## 2-3. (Cancelled)

(Original) A liquid crystal display device, comprising: 1 4. 2 a first substrate; 3 a second substrate facing said first substrate; a liquid crystal layer interposed between said first and second substrates; and 4 5 a group of electrodes disposed on said first substrate so as to create an electric 6 field in said first substrate in an activated state in which a drive voltage is applied to said 7 group of electrodes; 8 said liquid crystal molecules aligning generally perpendicularly to a place of 9 said first substrate in a non-activated state in which said drive voltage is not applied to said 10 group of electrodes, 11 said liquid crystal molecules aligning generally parallel to said plane of said 12 first substrate in said activated state;

said liquid crystal layer having a birefringence larger than about 0.10 but smaller than about 0.25.

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- 5. (Original) A liquid crystal display device as claimed in claim 4, wherein
- 2 said liquid crystal layer contains a tolan-family component.

1 6. (Currently Amended) A liquid crystal display device, comprising: a first substrate; 3 a second substrate facing said first substrate; 4 a liquid crystal layer interposed between said first and second substrates; and a group of electrodes disposed on said first substrate so as to create an electric 5 6 field in said liquid crystal layer generally parallel to said first substrate in an activated state in 7 which a drive voltage is applied to said group of electrodes; and 8 a molecular alignment film provided on said first substrate so as to cover said 9 electrodes, 10 said liquid crystal molecules aligning generally perpendicularly to a plane of 11 said first substrate in a nonactivated state in which said drive voltage is not applied to said 12 group of electrodes, said liquid crystal molecules aligning generally parallel to said plane of 13 said first substrate in said activated state,

14 said liquid crystal molecules having a pre-tilt angle of less than 90° in at least one of a part of said liquid crystal layer corresponding to a pixel and said electrode on said 15 16 first substrate, 17 wherein said electrodes include a first electrode of a an opaque metal provided on a surface of said first substrate facing said second substrate and a second electrode of a an 18 <sup>1</sup>19 opaque metal provided on said surface with a separation from said first electrode, the 20 separation creating a space which is part of the pixel, said first and second electrodes being 21 provided outside a display area in which transmission of an optical bean is turned on and off, 22 and 23 wherein said liquid crystal display device further includes a first region in said 24 molecular alignment film in correspondence to said first electrode and a second region in said 25 molecular alignment film in correspondence to said second electrode, said first and second 26 regions being formed by ultraviolet irradiation and inducing said pre-tilt angle in said liquid

crystal molecules located adjacent to said first and second regions.

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